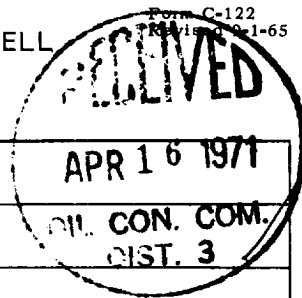


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Rev. 1-65



Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 4-8-71			
Company Chaparral Oil & Gas Company				Connection Southern Union Gathering			
Pool Fulcher Kutz				Formation Pictured Cliffs		Unit F	
Completion Date 4-9-71		Total Depth 1990		Plug Back TD 1939		Elevation 5814 Gr	
Farm or Lease Name Christy				Well No. #1			
Csg. Size 3 1/2	Wt. 7.70#	d	Set At 1939	Perforations: From 1922-32 To 1972-82			
Tbg. Size 1"	Wt. 1.7#	d	Set At 1912	Perforations: From 1900 To 1912		Unit Sec. Twp. Rge. E 13 - 28N - 11W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At -		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run Taps

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							263		263		3 Hrs
1.							217		167		
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		179		.9258		2049
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.		
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.		
2.					Specific Gravity Separator Gas _____ X X X X X X X X		
3.					Specific Gravity Flowing Fluid _____ X X X X X		
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.		
5.					Critical Temperature _____ R _____ R		

P _c 277	P _c ² 76,729		
NO	P _t ²	P _w	P _w ²
1		230	52,900
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4504$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3716$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2810$

Absolute Open Flow 2810 Mcfd @ 15.025		Angle of Slope θ _____		Slope, n _____	
Remarks: _____					
Approved By Commission:		Conducted By:		Checked By:	